

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/050489

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | US 5 353 248 A (GUPTA ET AL) 4 October 1994 (1994-10-04) | 1-3,6,7 |
| Y | the whole document | 4,5 |
| A | EP 0 623 877 A (INTERNATIONAL BUSINESS MACHINES CORPORATION) 9 November 1994 (1994-11-09) abstract page 1, line 43 - page 3, line 4 | 1-7 |
| A | US 5 974 485 A (KRUSCHINSKI ET AL) 26 October 1999 (1999-10-26) the whole document | 1-7 |
| Y | US 5 295 246 A (BISCHOFF ET AL) 15 March 1994 (1994-03-15) column 1, line 42 - column 2, line 34 | 4,5 |
| | ----- -/- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

3 June 2005

Date of mailing of the international search report

15/06/2005

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|---|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| Y | US 5 495 451 A (CHO ET AL) 27 February 1996 (1996-02-27) column 2, line 4 - column 3, line 6 ----- | 4,5 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/050489

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| US 5353248 | A | 04-10-1994 | NONE | |
| EP 0623877 | A | 09-11-1994 | GB 2276739 A | 05-10-1994 |
| | | | DE 69415855 D1 | 25-02-1999 |
| | | | DE 69415855 T2 | 12-08-1999 |
| | | | EP 0623877 A2 | 09-11-1994 |
| | | | JP 2582528 B2 | 19-02-1997 |
| | | | JP 6348583 A | 22-12-1994 |
| | | | US 5452430 A | 19-09-1995 |
| US 5974485 | A | 26-10-1999 | DE 19650993 A1 | 28-05-1998 |
| | | | DE 59708122 D1 | 10-10-2002 |
| | | | EP 0854425 A2 | 22-07-1998 |
| US 5295246 | A | 15-03-1994 | DE 69124946 D1 | 10-04-1997 |
| | | | DE 69124946 T2 | 18-09-1997 |
| | | | EP 0489504 A2 | 10-06-1992 |
| | | | JP 2113086 C | 21-11-1996 |
| | | | JP 4290150 A | 14-10-1992 |
| | | | JP 8027707 B | 21-03-1996 |
| US 5495451 | A | 27-02-1996 | DE 19507330 A1 | 23-11-1995 |
| | | | JP 2729927 B2 | 18-03-1998 |
| | | | JP 7319758 A | 08-12-1995 |
| | | | KR 9614169 B1 | 14-10-1996 |